

ABSTRACT

Programmatic detection of time-gap defects in computer system hardware where data is corrupted without detection by the computer system. A detection module initiates data transfers between devices in a computer system. An interrupt service routine interrupts the process by inserting a delay into the data transfer. The detection module then checks for time-gap defects by determining if data was corrupted which went undetected by the computer system. The detection module may repeat the data transfer and insert successively longer delays until a time-gap defect is detected or until a maximum delay value is reached. The results of any time-gap defects found may be output to a user.

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